

FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 2060.0040005/HCC/PAC	APPLICATION NO. 09/412,863
	APPLICANT SETTE et al.	
	FILING DATE October 5, 1999	GROUP 1644

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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<i>WJ</i>	AJ1	5,556,744	09/17/1996	Weiner et al.	-	-	03/24/1994
<i>WJ</i>	AK1	5,989,565	11/23/1999	Storkus et al.	-	-	06/07/1995

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
<i>WJ</i>	AO3	WO 87/06005 A1	10/08/1987	WIPO	-	-	Yes No
<i>WJ</i>	AP3	WO 88/05440 A1	07/28/1988	WIPO	-	-	Yes X No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR		
<i>WJ</i>	AS	30	Carpio, E., et al., "Monoclonal Antibodies to Conserved Regions of the Major Core Protein (gag24) of HIV-1 and HIV-2," AIDS Res. Hum. Retroviruses 7:97-101, Mary Ann Liebert, Inc. (1991)
<i>WJ</i>	AT	30	Darke, P.L., et al., "HIV-1 protease specificity of peptide cleavage is sufficient for processing of gag and pol polyproteins," Biochem. Biophys. Res. Commun. 156:297-303, Academic Press, Inc. (1988)

EXAMINER <i>WJ</i>	DATE CONSIDERED 5/5/2004
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
PHS	AA2	6,077,519	06/20/2000	Storkus et al.	—	—	01/15/1997
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
PHI	AL4	WO 88/08005 A1	10/20/1988	WIPO	—	—	Yes No
PHI	AM4	WO 90/07119 A1	06/28/1990	WIPO	—	—	Yes No
PHI	AN4	WO 91/04051 A1	04/04/1991	WIPO	—	—	Yes No
PHI	AO4	WO 92/00997 A1	01/23/1992	WIPO	—	—	Yes No
PHI	AP4	WO 94/02614 A1	02/03/1994	WIPO	—	—	Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
PHI	AR	31	DiIanni, C.L., et al., "Characterization of an Active Single Polypeptide Form of the Human Immunodeficiency Virus Type 1 Protease," J. Biol. Chem. 265:17348-17354, The American Society for Biochemistry and Molecular Biology, Inc. (1990)
PHI	AS	31	Johnson, R.P., et al., "Identification of Overlapping HLA Class I-restricted Cytotoxic T Cell Epitopes in a Conserved Region of the Human Immunodeficiency Virus Type 1 Envelope Glycoprotein: Definition of Minimum Epitopes and Analysis of the Effects of Sequence Variation," J. Exp. Med. 175:961-971, The Rockefeller University Press (April 1992)
PHI	AT	31	Koenig, S., et al., "Mapping the fine specificity of a cytolytic T cell response to HIV-1 nef protein," J. Immunol. 145:127-135, The American Association of Immunologists (1990)

EXAMINER 	DATE CONSIDERED 5/6/2004
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
<i>fm</i>	AL5	WO 94/28871 A1	12/22/1994	WIPO	-	-	Yes No
<i>fm</i>	AM5	WO 95/04817 A1	02/16/1995	WIPO	-	-	Yes No
<i>fm</i>	AN5	WO 97/14436 A1	04/24/1997	WIPO	-	-	Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>fm</i>	AR	32	Mathiesen, T., et al., "Analysis of a subclass-restricted HIV-1 gp41 epitope by omission peptides," <i>Immunology</i> 67:1-7, Blackwell Scientific Publications (1989)
<i>fm</i>	AS	32	Storkus, W.J., et al., "Peptide-induced modulation of target cell sensitivity to natural killing," <i>J. Immunol.</i> 149:1185-1190, The American Association of Immunologists (August 1992)
<i>fm</i>	AT	32	Dialog File 351, Accession No. 7586358, Derwent WPI English language abstract for WO 88/05440.

EXAMINER <i>nl</i>	DATE CONSIDERED 5/16/2001
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	AA						
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MB	AE1	5,756,666	05/26/1998	Takiguchi et al.	—	—	10/19/1994
	AF1	5,840,313	11/24/1998	Vahlne et al.	—	—	06/20/1995
	AG1	6,037,135	03/14/2000	Kubo et al.	—	—	11/29/1993
	AH1	2002/0168374 A1	11/14/2002	Kubo et al.	—	—	03/20/1997
	AI1	2002/0177694 A1	11/28/2002	Sette et al.	—	—	02/03/1998
	AJ						
	AK						

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
MB	AL3	EP 0.346 022 A1	12/13/1989	Europe	—	—	Yes No
MB	AM3	WO 95/11255 A1	04/27/1995	WIPO	—	—	Yes X No
MB	AN3	EP 0 728 764 A1	08/28/1996	Europe	—	—	Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
MM	AS	26	Altfeld, M.A., et al., "Identification of Novel HLA-A2-Restricted Human Immunodeficiency Virus Type 1-Specific Cytotoxic T-Lymphocyte Epitopes Predicted by the HLA-A2 Supertype Peptide-Binding Motif," J. Virol. 75:1301-1311, American Association for Microbiology (February 2001)
MB	AT	26	Culmann, B., et al., "Six epitopes reacting with human cytotoxic CD8 ⁺ T cells in the central region of the HIV-1 Nef protein," J. Immunol. 146:1560-1565, The American Association of Immunologists (1991)

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	AM						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>27</u>	Kozlowski, S., et al., "Serum Angiotensin-1 Converting Enzyme Activity Processes a Human Immunodeficiency Virus 1 gp160 Peptide for Presentation by Major Histocompatibility Complex Class I Molecules," <i>J. Exp. Med.</i> 175:1417-1422, The Rockefeller University Press (June 1992)
	AS	<u>27</u>	Shankar, P., et al., "Three regions of HIV-1 gp160 contain clusters of immunodominant CTL epitopes," <i>Immunol. Lett.</i> 52:23-30, Elsevier Science B.V. (August 1996)
	AT	<u>27</u>	Takahashi, K., et al., "Specific lysis of human immunodeficiency virus type 1-infected cells by a HLA-A3.1-restricted CD8 ⁺ cytotoxic T-lymphocyte clone that recognizes a conserved peptide sequence within the gp41 subunit of the envelope protein," <i>Proc. Natl. Acad. Sci. USA</i> 88:10277-10281, National Academy Press (1991)




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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	28	Wilson, C.C., et al., "Identification and Antigenicity of Broadly Cross-Reactive and Conserved Human Immunodeficiency Virus Type 1-Derived Helper T-Lymphocyte Epitopes," J. Virol. 75:4195-4207, American Society for Microbiology (May 2001)
	AS	28	Copy of co-pending U.S. application 08/205,713, inventor Grey, filed March 4, 1994 (NOT PUBLISHED) .
	AT	28	Copy of co-pending U.S. application 08/344,824, inventors Sette et al., filed November 23, 1994 (NOT PUBLISHED) .

EXAMINER 	DATE CONSIDERED 5/6/2009
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	29	Copy of co-pending U.S. application 08/347,610, inventors Kubo et al., filed December 1, 1994. (NOT PUBLISHED).
	AS	29	Copy of co-pending U.S. application 08/452,843, inventors Sette et al., filed March 30, 1995. (NOT PUBLISHED).
	AT	29	Copy of co-pending U.S. application 09/017,524, inventors Kubo et al., filed February 3, 1998. (NOT PUBLISHED).

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>mm</i>	AR	30	Dialog File 351, Accession No. 10268933, Derwent WPI English language abstract for WO 95/11255.
	AS		
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
M3	AA1	5,200,320	04/06/1993	Sette et al.	7	1	12/07/1987
	AB1	5,503,829	04/02/1996	Ladant et al.	1	1	11/07/1994
	AC1	5,662,907	09/02/1997	Kubo et al.	1	1	01/25/1994
	AD1	6,034,214	03/07/2000	Boon et al.	1	1	12/13/1994
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
M3	AL1	EP 0 044 710 A1	01/27/1982	Europe	1	1	Yes No
M3	AM1	EP 0 226 513 A1	06/24/1987	Europe	1	1	Yes X No
M3	AN1	WO 92/02543 A1	02/20/1992	WIPO WO	1	1	Yes No
M3	AO1	WO 92/12996 A2	08/06/1992	WIPO WO	1	1	Yes No
M3	AP1	WO 92/21033 A1	11/26/1992	WIPO WO	1	1	Yes X No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
M3	AR	1	Aichele, P., et al., "Antiviral cytotoxic T cell response induced by in vivo priming with a free synthetic peptide," J. Exp. Med. 171:1815-1820, Rockefeller University Press (1990)
	AS	1	Alexander, J., et al., "Derivation of HLA-A11/K ^b Transgenic Mice. Functional CTL Repertoire and Recognition of Human A11-Restricted CTL Epitopes," J. Immunol. 159:4753-4761, The American Association of Immunologists (November 1997)
	AT	1	Bergmann, C.C., et al., "Differential Effects of Flanking Residues on Presentation of Epitopes from Chimeric Peptides," J. Virol. 68:5306-5310, American Society for Microbiology (August 1994)

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<i>[Signature]</i>	7/17/2004

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FOREIGN PATENT DOCUMENTS							
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M/	AL2	WO 93/03764 A1	03/04/1993	WIPO WO	-	-	Yes No
M/	AM2	WO 94/03205 A1	02/17/1994	WIPO WO	-	-	Yes No
M/	AN2	WO 94/11738 A1	05/26/1994	WIPO WO	-	-	Yes X No
M/	AO2	WO 94/20127 A1	09/15/1994	WIPO WO	-	-	Yes No
M/	AP2	WO 96/03140 A1	02/08/1996	WIPO WO	-	-	Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

M/	AR	2	Bertoni, R., et al., "Human Histocompatibility Leukocyte Antigen-binding Supermotifs Predict Broadly Cross-reactive Cytotoxic T Lymphocyte Responses in Patients with Acute Hepatitis," J. Clin. Invest. 100:503-513, The American Society for Clinical Investigation, Inc. (August 1997)
↓	AS	2	Bertoni, R., et al., "Human Class I Supertypes and CTL Repertoires Extend to Chimpanzees," J. Immunol. 161:4447-4455, American Association of Immunologists (October 1998)
↓	AT	2	Bjorkman, P.J., et al., "Structure of the human class I histocompatibility antigen, HLA-A2," Nature 329:506-512, Macmillan Publishers, Ltd. (1987)

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	AO						Yes No
	AP						Yes No

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	AR	<u>3</u>	Bjorkman, P.J., et al., "The foreign antigen binding site and T cell recognition regions of class I histocompatibility antigens," <i>Nature</i> 329:512-518, Macmillan Publishers, Ltd. (1987)
	AS	<u>3</u>	Buus, S., et al., "Autologous Peptides Constitutively Occupy the Antigen Binding Site on Ia," <i>Science</i> 242:1045-1047, American Association for the Advancement of Science (1988)
	AT	<u>3</u>	Carreno, B.M., et al., "HLA-B37 and HLA-A2.1 molecules bind largely nonoverlapping sets of peptides," <i>Proc. Natl. Acad. Sci. USA</i> 87:3420-3424, National Academy Press (1990)

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	AN						Yes No
	AO						Yes No
	AP						Yes No

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mb	AR	4	Corr. M., et al., "Endogenous Peptides of a Soluble Major Histocompatibility Complex Class I Molecule, H-2L ^d : Sequence Motif, Quantitative Binding, and Molecular Modeling of the Complex," J. Exp. Med. 176:1681-1692, Rockefeller University Press (December 1992)
↓	AS	4	De Bruijn, M.L.H., et al., "Peptide loading of empty major histocompatibility complex molecules on RMA-S cells allows the induction of primary cytotoxic T lymphocyte responses," Eur. J. Immunol. 21:2963-2970, VCH Verlagsgesellschaft mbH (1991)
↓	AT	4	Del Val, M., et al., "Efficient Processing of an Antigenic Sequence for Presentation by MHC Class I Molecules Depends on Its Neighboring Residues in the Protein," Cell 66:1145-1153, Cell Press (1991)

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>5</u>	Deres, K., et al., "In vivo priming of virus-specific cytotoxic T lymphocytes with synthetic lipopeptide vaccine," <i>Nature</i> 342:561-564, Macmillan Publishers, Ltd. (1989)
	AS	<u>5</u>	DiBrino, M., et al., "HLA-A1 and HLA-A3 T Cell Epitopes Derived from Influenza Virus Proteins Predicted from Peptide Binding Motifs," <i>J. Immunol.</i> 151:5930-5935, The Association of Immunologists (December 1993)
	AT	<u>5</u>	DiBrino, M., et al., "Endogenous peptides bound to HLA-A3 possess a specific combination of anchor residues that permit identification of potential antigenic peptides," <i>Proc. Natl. Acad. Sci. USA</i> 90:1508-1512, National Academy Press (February 1993)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	6	Ding, Y.-H., et al., "Two Human T Cell Receptors Bind in a Similar Diagonal Mode to the HLA-A2/Tax Peptide Complex Using Different TCR Amino Acids," <i>Immunity</i> 8:403-11, Cell Press (April 1998)
	AS	6	Eisenlohr, L.C., et al., "Flanking Sequences Influence the Presentation of an Endogenously Synthesized Peptide to Cytotoxic T Lymphocytes," <i>J. Exp. Med.</i> 175:481-487, The Rockefeller University Press (February 1992)
	AT	6	Engelhard, V.H., "Structure of peptides associated with MHC Class I molecules," <i>Curr. Opin. Immunol.</i> 6:13-23, Current Biology, Ltd. (February 1994)

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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 2060.0040005/HCC/PAC	APPLICATION NO. 09/412,863
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U.S. PATENT DOCUMENTS							
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
B31	AR	2	Falk, K., et al., "Allele-specific motifs revealed by sequencing of self-peptides eluted from MHC molecules," <i>Nature</i> 351:290-296, Macmillan Publishers, Ltd. (1991)
↓	AS	2	Falk, K., et al., "MHC peptide motif register. Peptide motifs of HLA-B35 and -B37 molecules," <i>Immunogenetics</i> 38:161-162, Springer-Verlag (April 1993)
↓	AT	2	Falk, K., et al., "Allele-specific peptide ligand motifs of HLA-C molecules," <i>Proc. Natl. Acad. Sci. USA</i> 90:12005-12009, National Academy Press (December 1993)

EXAMINER	DATE CONSIDERED
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	8	Falk, K., et al., "Pool sequencing of natural HLA-DR, DQ, and DP ligands reveals detailed peptide motifs, constraints of processing, and general rules," <i>Immunogenetics</i> 39:230-242, Springer-Verlag (February 1994)
	AS	8	Falk, K., et al., "Peptide motifs of HLA-A1, -A11, -A31, and -A33 molecules," <i>Immunogenetics</i> 40:238-241, Springer-Verlag (July 1994)
	AT	8	Foon, K.A., "Biological Response Modifiers: The New Immunotherapy," <i>Cancer Res.</i> 49:1621-1639, American Association for Cancer Research (1989)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
13/	AR	2	Geysen, H.M., et al., "Cognitive Features of Continuous Antigenic Determinants," J. Mol. Recognit. 1:32-41, Heyden & Sons, Ltd. (1988)
↓	AS	2	Guo, H.-C., et al., "Different length peptides bind to HLA-Aw68 similarly at their ends but bulge out in the middle," Nature 360:364-366, Macmillan Publishers, Ltd. (November 1992)
↓	AT	2	Henderson, R.A., et al., "HLA-A2.1-Associated Peptides from a Mutant Cell Line: A Second Pathway of Antigen Presentation," Science 255:1264-1266, American Association for the Advancement of Science (March 1992)

EXAMINER	DATE CONSIDERED
	2/12/2001


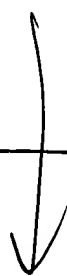

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>10</u>	Hill, A., et al., "Characterization of two Epstein-Barr virus epitopes restricted by HLA-B7," Eur. J. Immunol. 25:18-24, VCH Verlagsgesellschaft mbH (January 1995)
	AS	<u>10</u>	Hunt, D.F., et al., "Characterization of Peptides Bound to the Class I MHC Molecule HLA-A2.1 by Mass Spectrometry," Science 255:1261-1263, American Association for the Advancement of Science (March 1992)
	AT	<u>10</u>	Ishioka, G.Y., et al., "Utilization of MHC Class I Transgenic Mice for Development of Minigene DNA Vaccines Encoding Multiple HLA-Restricted CTL Epitopes," J. Immunol. 162:3915-3925, The American Association of Immunologists (April 1999)

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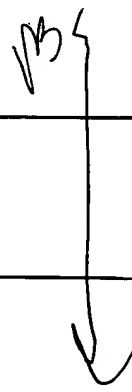
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>11</u>	Jameson, S.C., and Bevan, M.J., "Dissection of major histocompatibility complex (MHC) and T cell receptor contact residues in a K ^b -restricted ovalbumin peptide and an assessment of the predictive power of MHC-binding motifs," Eur. J. Immunol. 22:2663-2667, VCH Verlagsgesellschaft mbH (October 1992)
	AS	<u>11</u>	Jardetzky, T.S., et al., "Identification of self peptides bound to purified HLA-B27," Nature 353:326-329, Macmillan Publishers, Ltd. (1991)
	AT	<u>11</u>	Kannagi, M., et al., "Target Epitope in the Tax Protein of Human T-Cell Leukemia Virus Type I Recognized by Class I Major Histocompatibility Complex-Restricted Cells," J. Virol. 66:2928-2933, American Society for Microbiology (May 1992)

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	AM						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	12	Kast, W.M., et al., "Protection against lethal Sendai virus infection by <i>in vivo</i> priming of virus-specific cytotoxic T lymphocytes with a free synthetic peptide," <i>Proc. Natl. Acad. Sci. USA</i> 88:2283-2287, National Academy Press (1991)
	AS	12	Kast, W.M., et al., "Strict peptide length is not required for the induction of cytotoxic T lymphocyte-mediated antiviral protection by peptide vaccination," <i>Eur. J. Immunol.</i> 23:1189-1192, VCH Verlagsgesellschaft mbH (May 1993)
	AT	12	Krieger, J.I., et al., "Single amino acid changes in DR and antigen define residues critical for peptide-MHC binding and T cell recognition," <i>J. Immunol.</i> 146:2331-2340, American Association of Immunologists (1991)

EXAMINER	DATE CONSIDERED 7/17/2009
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	13	Lipford, G.B., et al., "Primary in Vivo Responses to Ovalbumin. Probing the Predictive Value of the K ^b Binding Motif," <i>J. Immunol.</i> 150:1212-1222, The American Association of Immunologists (February 1993)
	AS	13	Maryanski, J.L., et al., "Synthetic peptides as antigens and competitors in recognition by H-2-restricted cytolytic T cells specific for HLA," <i>J. Exp. Med.</i> 167:1391-1405, Rockefeller University Press (1988)
	AT	13	Maryanski, J.L., et al., "Competitor Analogs for Defined T Cell Antigens: Peptides Incorporating a Putative Binding Motif and Polyproline or Polyglycine Spacers," <i>Cell</i> 60:63-72, Cell Press (1990)

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	AN						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	14	Morrison, J., et al., "Identification of the nonamer peptide from influenza A matrix protein and the role of pockets of HLA-A2 in its recognition by cytotoxic T lymphocytes," Eur. J. Immunol. 22:903-907, VCH Verlagsgesellschaft mbH (April 1992)
	AS	14	Niedermann, G., et al., "The proteolytic fragments generated by vertebrate proteosomes: Structural relationships to major histocompatibility complex class I binding peptides," Proc. Natl. Acad. Sci. USA 93:8572-8577, National Academy Press (August 1996)
	AT	14	Ochoa-Garay, J., et al., "The ability of peptides to induce cytotoxic T cells in vitro does not strongly correlate with their affinity for the H-2L ^d molecule: implications for vaccine design and immunotherapy," Mol. Immunol. 34:273-281, Elsevier Science, Ltd. (February 1997)

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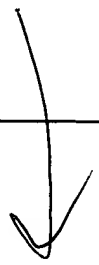

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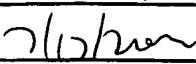
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	15	Pamer, E.G., et al., "Precise prediction of a dominant class I MHC-restricted epitome of <i>Listeria monocytogenes</i> ," <i>Nature</i> 353:852-855, Macmillan Publishers, Ltd. (1991)
	AS	15	Parham, P., et al., "The Origins of HLA-A,B,C Polymorphism," <i>Immunol. Rev.</i> 143:141-180, Munksgaard (February 1995)
	AT	15	Parker, K.C., et al., "Peptide Binding to HLA-A2 and HLA-B27 Isolated from <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 267:5451-5459, American Society for Biochemistry and Molecular Biology, Inc. (March 1992)

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	AM						Yes No
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	AP						Yes No

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MB1	AR	16	Parker, K.C., et al., "Sequence motifs important for peptide binding to the human MHC class I molecule, HLA-A2," <i>J. Immunol.</i> 149:3580-3587, American Association of Immunologists (December 1992)
	AS	16	Rammensee, H.-G., et al., "Peptides Naturally Presented by MHC Class I Molecules," <i>Annu. Rev. Immunol.</i> 11:213-244, Annual Reviews, Inc. (January 1993)
	AT	16	Rammensee, H.-G., et al., "MHC ligands and peptide motifs: first listing," <i>Immunogenetics</i> 41:178-228, Springer-Verlag (February 1995)

EXAMINER	DATE CONSIDERED 11/17/2001
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	AO						Yes No
	AP						Yes No

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✓ 13	AR	17	Reddehase, M.J., et al., "A pentapeptide as minimal antigenic determinant for MHC class I-restricted T lymphocytes," <i>Nature</i> 337:651-653, Macmillan Publishers, Ltd. (1989)
↓	AS	17	Romero, P., et al., "H-2K ^d -restricted Antigenic Peptides Share a Simple Binding Motif," <i>J. Exp. Med.</i> 174:603-612, Rockefeller University Press (1991)
↓	AT	17	Rothbard, J.B., "Major histocompatibility complex-peptide interactions," <i>Curr. Opin. Immunol.</i> 2:99-105, Current Biology, Ltd. (1989)

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
VB	AR	18	Röttschke, O., et al., "Isolation and analysis of naturally processed viral peptides as recognized by cytotoxic T cells," <i>Nature</i> 348:252-254, Macmillan Publishers, Ltd. (1990)
	AS	18	Röttschke, O., et al., "Characterization of Naturally Occurring Minor Histocompatibility Peptides Including H-4 and H-Y," <i>Science</i> 249:283-287, American Association for the Advancement of Science (1990)
	AT	18	Röttschke, O., and Falk, K., "Naturally-occurring peptide antigens derived from the MHC class-I-restricted processing pathway," <i>Immunol. Today</i> 12:447-455, Elsevier Science Publishers, Ltd. (1991)

EXAMINER	DATE CONSIDERED 7/17/20
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	AO						Yes No
	AP						Yes No

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	AR	<u>19</u>	Rotzschke, O., et al., "Peptide motifs of closely related HLA class I molecules encompass substantial differences," <i>Eur. J. Immunol.</i> 22:2453-2456, VCH Verlagsgesellschaft mbH (September 1992)
	AS	<u>19</u>	Röttschke, O., and Falk, K., "Origin, structure and motifs of naturally processed MHC class II ligands," <i>Curr. Opin. Immunol.</i> 6:45-51, Current Biology, Ltd. (February 1994)
	AT	<u>19</u>	Rudinger, J., "Characteristics of the amino acids as components of a peptide hormone sequence," in <i>Peptide Hormones</i> , Parsons, J.A., ed., University Park Press, Baltimore, MD, pp.1-7 (1976)

EXAMINER	DATE CONSIDERED <u>7/17/2009</u>
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
131	AR	20	Ruppert, J., et al., "Prominent Role of Secondary Anchor Residues in Peptide Binding to HLA-A2.1 Molecules," Cell 74:929-937, Cell Press (September 1993)
↓	AS	20	Schulz, M., et al., "Major histocompatibility complex binding and T cell recognition of a viral nonapeptide containing a minimal tetrapeptide," Eur. J. Immunol. 21:1181-1185, VCH Verlagsgesellschaft mbH (1991)
↓	AT	20	Sette, A., et al., "Prediction of major histocompatibility complex binding regions of protein antigens by sequence pattern analysis," Proc. Natl. Acad. Sci. USA 86:3296-3300, National Academy Press (1989)

EXAMINER 	DATE CONSIDERED 7/17/2005
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 2060.0040005/HCC/PAC	APPLICATION NO. 09/412,863
	APPLICANT SETTE et al.	
	FILING DATE October 5, 1999	GROUP 1644

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	21	Sette, A., et al., "Random association between the peptide repertoire of A2.1 class I and several different DR class II molecules," <i>J. Immunol.</i> 147:3893-3900, The American Association of Immunologists (1991)
	AS	21	Sette, A., et al., "The Relationship Between Class I Binding Affinity and Immunogenicity of Potential Cytotoxic T Cell Epitopes," <i>J. Immunol.</i> 153:5586-5592, The American Association of Immunologists (December 1994)
	AT	21	Shastri, N., et al., "Presentation of Endogenous Peptide/MHC Class I Complexes Is Profoundly Influenced by Specific C-Terminal Flanking Residues," <i>J. Immunol.</i> 155: 4339-4346, The American Association of Immunologists (November 1995)

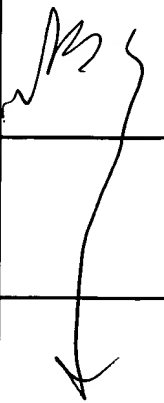
EXAMINER	DATE CONSIDERED 7/12/2007
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	22	Sherman, L.A., et al., "Extracellular Processing of Peptide Antigens That Bind Class I Major Histocompatibility Molecules," <i>J. Exp. Med.</i> 175:1221-1226, The Rockefeller University Press (May 1992)
	AS	22	Shimojo, N., et al., "Specificity of peptide binding by the HLA-A2.1 molecule," <i>J. Immunol.</i> 143:2939-2947, The American Association of Immunologists (1989)
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EXAMINER 	DATE CONSIDERED 7/17/2005
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	23	Threlkeld, S.C., et al., "Degenerate and Promiscuous Recognition by CTL of Peptides Presented by the MHC Class I A3-like Superfamily. Implications for Vaccine Development," <i>J. Immunol.</i> 159:1648-1657, The American Association of Immunologists (August 1997)
	AS	23	Wentworth, P.A., et al., "Differences and similarities in the A2.1-restricted cytotoxic T cell repertoire in humans and human leukocyte antigen-transgenic mice," <i>Eur. J. Immunol.</i> 26:97-101, VCH Verlagsgesellschaft mbH (January 1996)
	AT	23	Whitton, J.L., et al., "Molecular Analyses of a Five-Amino-Acid Cytotoxic T-Lymphocyte (CTL) Epitope: an Immunodominant Region Which Induces Nonreciprocal CTL Cross-Reactivity," <i>J. Virol.</i> 63:4303-4310, American Society for Microbiology (1989)




EXAMINER 	DATE CONSIDERED 7/17/2004
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 2060.0040005/HCC/PAC	APPLICATION NO. 09/412,863
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>24</u>	Yewdell, J.W., and Bennink, J.R., "Cell Biology of Antigen Processing and Presentation to Major Histocompatibility Complex Class I Molecule-Restricted T Lymphocytes," Adv. Immunol. 52:1-123, Academic Press (July 1992)
	AS	<u>24</u>	York, I.A., and Rock, K.L., "Antigen processing and presentation by the class I major histocompatibility complex," Annu. Rev. Immunol. 14:369-396, Annual Reviews, Inc. (April 1996)
	AT	<u>24</u>	Zhang, Q-J., et al., "An HLA-A11-specific motif in nonamer peptides derived from viral and cellular proteins," Proc. Natl. Acad. Sci. USA 90:2217-2221, National Academy Press (March 1993)

EXAMINER 	DATE CONSIDERED <u>7/17/2000</u>
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	25	Parker, K.C., et al., "Scheme for Ranking Potential HLA-A2 Binding Peptides Based on Independent Binding of Individual Peptide Side-Chains," <i>J. Immunol.</i> 152:163-175, The American Association of Immunologists (January 1994)
	AS	25	Dialog File 351, Accession No. 7180926, Derwent WPI English language abstract for EP 0 226 513.
	AT	25	Dialog File 351, Accession No. 9263567, Derwent WPI English language abstract for WO 92/21033.

EXAMINER	DATE CONSIDERED 7/17/2009
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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 2060.0040005/HCC/PAC	APPLICATION NO. 09/412,863
	APPLICANT SETTE et al.	
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	26	Dialog File 351, Accession No. 9888606, Derwent WPI English language abstract for WO 94/11738.
	AS		
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EXAMINER 	DATE CONSIDERED 7/17/2000
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